

MESSAGE COMMUNICATION SYSTEM USING OPEN KEY CIPHER AND RECORDING MEDIUM WITH PROCESSING METHOD USED RECORDED IN THE COMMUNICATION SYSTEM

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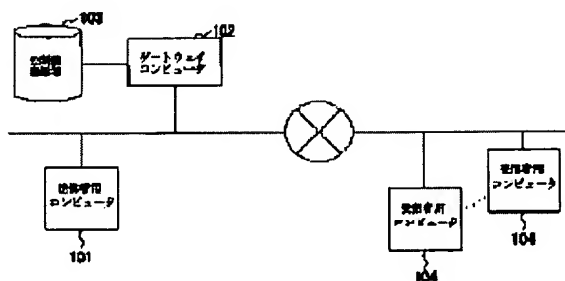
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Abstract of JP11196080

PROBLEM TO BE SOLVED: To reduce the burden of a transmitting subscriber, to reduce the cost of a transmitting computer and to improve the safety of communication messages in a broadcast communication mode by preparing an open key directory and an open key conversion computer, as the open key conversion means on both communication paths of the transmitting side and transmitting destination respectively. **SOLUTION:** This message communication system includes an open key conversion computer 102 and an open key directory 103, which are prepared on the communication paths of a network, for example, set between the transmitter and receiver subscribers of messages. At the same time, the open keys corresponding to the computer 102 and a transmitting destination 104 are registered in the directory 103. The computer 102 receives a message which is enciphered by the open key, corresponding to the computer 102 from the transmitting side and decodes the message by its own secret key. Then the computer 102 enciphers the decoded message by the open key corresponding to the destination 104 and sends the message to the destination 104.



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